

Dalkeith High School
N5 Biology
Variation and Inheritance (Task 1)

1. Foresters planted a variety of native Scottish trees. Five years later, the heights of a sample of

Tree height (cm)	295	230	275	305
	260	195	250	220
	285	315	255	235

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trees were measured. The results are shown below.

a) The trees were all planted at the same time but their heights differed. What term is used to describe the differences between members of the same species?

1

b) What was the average height of the trees in this sample?

_____ cm

1

c) Name the type of variation shown by these tree heights.

1

2. The following table shows four blood groups and the number of students with each blood group in a class.

Blood Group	Number of students
A	8
B	3
AB	2
O	7

a) Calculate the percentage of pupils with blood group AB in the class.

_____ %

1

b) Name the type of variation shown by these blood groups.

1

c) Hand span is an example of a human characteristic controlled by the alleles of more than one gene. What name is given to this type of inheritance?

1

3. Write notes on variation within species, including two examples for each type of variation. (Use the back of this sheet to write your answer).